

to t. a. line. On the costa beyond t. p. line a black patch from which proceeds the whitish subterminal line, almost parallel to the t. p. line and most strongly marked just before its junction with internal margin, almost forming a white crescent. A black terminal line. Fringes blackish, interrupted with paler.

Secondaries blackish with a chestnut tint, especially centrally. Below nearly uniform dark blackish gray with a slight chestnut tint; discal dot and t. p. line indicated in black.

♀ *moth*. Abdomen extremely large, thorax small, legs slender, wings larger than usual, 6 mm. long. Color white with a faint brownish tinge; down dense, especially on the under side of abdomen; dorsum broadly dark cinereous, both on thorax and abdomen; wings faintly brownish; eyes black. Antennae shortly pectinated. Length 18 mm.; width of abdomen 12 mm.

Habitat probably the Sierra Nevada of California. Recorded from Havilah, Kern Co., (Hy. Edw.) and Yosemite, Mariposa Co.

A LIST OF SOME OF THE CATALOGUES AND LOCAL LISTS OF NORTH AMERICAN COLEOPTERA.—III (R.-Z.).

BY JOHN HAMILTON AND SAMUEL HENSHAW.

105 **Rauterberg**, Fr. Coleoptera of Wisconsin. (Proc. nat. hist. soc. Wis., 1885, p. 10-25.)

A list of 269 species and varieties of Cicindelidae and Carabidae with notes on the locality and time of occurrence.

106 **Reed**, E. B. Coleoptera taken in the neighborhood of London, Ont. (Can. ent., 1869, v. 1, p. 69-70.)

Number of families (31) genera (129) and species (180) found in the vicinity of London, Ont.; over 130 undetermined species additional to the above have been collected.

107 **Reinecke**, Ottomar. Additional list of Coleoptera. (Bull. Buff. soc. nat. sci., 1882, v. 4, p. 55.)

44 species are listed from the vicinity of Buffalo, N. Y.

Reinecke, Ottomar. See: **ZESCH**, Frank H.

108 **Ritchie**, A. S. On the Coleoptera of the Island of Montreal. (Can. nat. and geol., 1869, ser. 2, v. 4, p. 27-36.) Separate: 11 p.

215 species are listed from the Island of Montreal and 31 Canadian species taken outside the Island of Montreal.

109 **Sahlberg**, John. Coleoptera och medlemmar å Berings Sunds Amerikanska Hemiptera insamlade af Vega-expeditionens kust. (Vega-exped. vetens. iakt., 1885, bd. 4, p. 59-71.)

16 species of Coleoptera are listed from Port Clarence, Grantley Harbor and Bay of Iman-Ruk.

110 **Saunders**, W. Entomological notes during a trip to Saguenay. (Can. ent., 1868, v. 1, p. 11-13.)

18 species are listed with localities.

Savagè, H. See: **HAYWARD**, R.

111 **Say**, Thomas. Descriptions of coleopterous insects collected in the late expedition to the Rocky Mountains, performed by order of Mr. Calhoun, Secretary of War, under the command of Major Long. (Journ. acad. nat. sci. Phil., 1823, v. 3, p. 139-216; 1824, p. 238-282; 298-331; 403-462; 1824, v. 4, p. 83-99.) Ed. Leconte, v. 2, p. 89-236.

Describes 354 species.

112 **Schaupp**, F. G. The Cicindelidae of the neighborhood of New York. (Bull. Brooklyn ent. soc., 1878, v. 1, p. 28.)

A list of 15 species with localities and times of appearance.

113 **Schaupp**, F. G. [Florida Coleoptera.] (Bull. Brooklyn ent. soc., 1878, v. 1, p. 34.)

Adds 13 species to those listed by Schwarz.

114 **Schaupp**, F. G. List of Carabidae found in the neighborhood of New York city. (Bull. Brooklyn ent. soc., 1883, v. 6, p. 29-32; 71-72.)

212 species are listed with localities and times of appearance.

115 **Schmelter**, H. Coleoptera of the neighborhood of New York. Chrysomelidae. (Bull. Brooklyn ent. soc., 1878, v. 1, p. 55.)

90 species are listed.

116 **Schwarz**, E. A. List of Coleoptera collected in Michigan in 1874. (Psyche, 1876, v. 1, p. 145-148.)

102 species are enumerated with notes and localities.

117 **Schwarz**, E. A. The Coleoptera of Florida. (Proc. Amer. philos. soc. 1878, v. 17, p. 353-471.)

1386 species and varieties are listed on p. 434-469; the occurrence of more than 200 additional species is noted; many new species are described by the author and by Leconte.

118 **Schwarz**, E. A. On a collection of Coleoptera from St. Augustine, Florida. (Proc. ent. soc. Washington, 1889, v. 1, p. 169-171.) Separate: 2 p.

General remarks on a collection of 600 species of Coleoptera collected in the vicinity of St. Augustine, Fla.; 2400 species known to occur in Florida.

Schwarz, E. A. See: **HUBBARD**, H. G.

119 **Smith**, John B. List of Coleoptera collected by J. R. Spencer at Fort Churchill. (Rep. progr. Can. geol. surv., 1882-83-84, 1885, p. 62 DD.)

12 determined and 2 undetermined species are listed.

120 **Smith**, J. B. Catalogue of insects found in New Jersey. (Final rep. state geologist, 1890, v. 2, 486 p.)

2167 species and varieties of Coleoptera are listed on p. 69-271; localities and collectors are given when known.

121 **Snow**, F. H. List of Coleoptera collected in Colorado in June, July and August, 1876, by the Kansas University scientific expedition. (Trans. Kans. acad. sci., 1877, v. 5, p. 15-20.)

304 species and 12 varieties are enumerated; chiefly identified by Dr. J. L. Leconte. This list also appeared in the Kansas collegiate 1877, v. 2.

122 **Snow**, F. H. The insects of Wallace county, Kansas. (Trans. Kans. acad. sci., 1878, v. 6, p. 61-70.)

Includes captures in Gove county; 316 species and varieties of Coleoptera are listed on p. 62-70 with county localities of capture.

123 **now**, F. H. List of Coleoptera collected near Dome Rock, Platte Canon, Colorado, by the Kansas University scientific expedition for 1878. (Trans. Kans. acad. sci., 1878, v. 6, p. 75-77.)

99 species and varieties are listed; a few are not fully identified.

124 **Snow**, F. H. List of Coleoptera collected in Santa Fé Canon, N. M., by the Kansas University scientific expedition for 1880. (Trans. Kans. acad. sci., 1881, v. 7, p. 70-77.)

237 species are listed.

125 **Snow**, F. H. Douglas county additions to the list of Kansas Coleoptera in 1879 and 1880. (Trans. Kans. acad. sci., 1881, v. 7, p. 78-79.)

144 species are listed.

126 **Snow**, F. H. Lists of Lepidoptera and Coleoptera, collected in New Mexico by the Kansas University scientific expedition of 1881 and 1882. (Trans. Kans. acad. sci., 1883, v. 8, p. 35-45.)

525 species and varieties of Coleoptera are listed on p. 39-45; some are not fully determined.

127 **Snow**, F. H. Additions to the list of Kansas Coleoptera in 1881 and 1882. (Trans. Kans. acad. sci., 1883, v. 8, p. 58.)

49 species are listed; a few are not fully determined.

128 **Snow**, F. H. Lists of Lepidoptera and Coleoptera collected in New Mexico by the Kansas University scientific expeditions of 1883 and 1884. (Trans. Kans. acad. sci., 1885, v. 9, p. 65-69.)

149 species and varieties of Coleoptera are listed on p. 66-69; some are not fully identified.

129 **Sprague**, P. S. Insect fauna of Camel's Hump, Vt. (Arch. sci., 1871.)

55 species of Coleoptera are listed.

130 **Ströcker**, Herman. Coleoptera. Annual rep. chief engineers for 1878, 1878, p. 1864-1866.)

A list of 33 species collected in the San Juan region of Colorado.

131 **Summers**, S. V. List of Coleoptera of St. Louis county, Missouri. (Can. ent., 1873, v. 5, p. 132-134; 145-147; 168-170; 190-192; 1874, v. 6, p. 52-55.)

598 species and varieties are listed; the list was not completed beyond the Colydiidae.

132 **Summers**, S. V. Catalogue of the Coleoptera from the region of Lake Pontchartrain, La. (Bull. Buffalo soc. nat. sci., 1874, v. 2, p. 78-99.) Separate: 21 p.

906 species and varieties are listed; a few are not fully identified.

133 **Taylor**, George W. The entomology of Vancouver Island. Notes on seventy-six species of Cicindelidae and Carabidae collected near Victoria, Vancouver Island. (Can. ent., 1886, v. 18, p. 34-37.)

Notes of capture and frequency are given.

134 **Townsend**, C. H. T. A list of Coleoptera collected in Louisiana, on or south of parallel 30°. (Can. ent., 1885, v. 17, p. 66-73.)

113 species and varieties are listed, with localities and notes of capture.

135 **Townsend**, Tyler. Contribution to a list of the Coleoptera of the lower peninsula of Michigan. (Psyche, 1889, v. 5, p. 231-235.)

166 species and varieties are listed; a few are not fully identified.

136 **Uhler**, P. R. Report upon the insects collected by P. R. Uhler during the explorations of 1875, including monographs of the families Cydnidae and Saldæ, and the Hemiptera collected by A. S. Packard, Jr., M.D. (Bull. U. S. geol. and geog. surv., 1877, v. 3, p. 355-475; 765-801.)

95 species of Coleoptera from the plains and mountains of eastern Colorado are listed on p. 770-779.

137 **Uhler**, P. R. List of animals observed at Fort Wool, Va. (Studies biol. lab. Johns Hopkins Univ., 1879, v. 1, no. 3, p. 17-34.)

7 species of Coleoptera are recorded on p. 29-30.

138 **Ulke**, Henry. List of species of Coleoptera collected by Lieut. W. L. Carpenter, United States army, for the United States geological survey of Colorado, 1873. (Rep. U. S. geol. surv., [Hayden's 7th rep.], 1874, p. 567-571.)

164 species are listed.

139 **Ulke**, Henry. Report upon the collections of Coleoptera made in portions of Nevada, Utah, California, Colorado, New Mexico, and Arizona, during the years 1871, 1872, 1873 and 1874. (Rep. geogr. and geol.

expl. and surv. west 100th mer., 1875, v. 5, Zoology, p. 809-827.)

382 species are listed with locality, date of capture, collector and range of habitat.

140 **Walker**, Francis. List of Coleoptera. Lord's Naturalist in Vancouver Island and British Columbia. London, 1866, v. 2, p. 309-311.

94 species are listed.

White, J. E. See: BRODIE, W.

141 **Wickham**, H. F. A list of the Coleoptera of Iowa City and vicinity. (Bull. lab. nat. hist. state Univ. Iowa, 1888, v. 1, no. 1, p. 81-92.)

861 species and 10 varieties are listed; a few species are not fully identified.

Wickham, H. F. See: OSBORN. Herbert.

142 **Zesch**, Frank H. and **Reinecke**, Ottonmar. List of the Coleoptera observed and collected in the vicinity of Buffalo. (Bull. Buffalo soc. nat. sci., 1881, v. 4, p. 2-15.)

Separate: 14 p.

1424 species are listed.

INDEX OF LOCALITIES.

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MISCELLANEOUS NOTES.—A portion of volume 1 of *Psyche* which has long been out of print is now being reprinted and the volume can shortly be furnished for five dollars. Complete sets of *Psyche* or any one or more of the volumes can therefore be obtained at five dollars per volume. The number of copies on hand, however, is extremely limited and persons desiring to secure full sets or complete their series are advised to make early application to the treasurer, Samuel Henshaw, Cambridge, Mass.

A list of Labrador insects will be found in Dr. A. S. Packard's recent book *The Labrador Coast* (N. Y., Hodges) on pp. 385-396 and 446-447. He catalogues 233 species divided as follows: Arachnida 11, Myriopoda 1, Orthoptera 1, Odonata 2, Hemiptera 4, Platyptera 1, Plectoptera 3, Trichoptera 2, Coleoptera 63, Diptera 11, Lepidoptera 108, and Hymenoptera 26. Notes of distribution and a few dates are added.

Entomologists should not overlook a holiday book of unusual interest for them, noting the out-door and in-door observations of a Rambler who knows how to use both eyes and pencil, not to say pen. It is a volume by the artist William Hamilton Gibson, called "*Sharp eyes*, a Rambler's calendar of fifty-two weeks among insects, birds, and flowers" (Harper's, \$5.00). Both text and illustrations, the latter on nearly every page, are by the same hand; better, more living

pictures of our insects have never been given, especially where they are represented in flight, when they rival the pictures by Giacomelli; and yet all are "process cuts." The volume is excellent reading as well, and tells the stories of the lives of our common insects in a charming way. It is an admirable book to stimulate the young observer.

In a superb monograph of the trees which furnished the Baltic amber, with eighteen finely colored quarto plates, Conwentz of Danzig publishes some notices of *amber insects*, especially of such as were injurious to the species of *Pinus* which yielded amber; among other things he figures the borings of a beetle referred by Kolbe to *Anthaxia* and the larval burrows in the dead wood which Brischke looks upon as the work of a *Sciara*.

Dr. Juan Gundlach has just finished the printing of the second volume of his *Entomología Cubana* which contains the Hymenoptera, Neuroptera, and Orthoptera.

Prof. John B. Smith's promised List of *Lepidoptera of Boreal America* has been issued by the American entomological society; it extends to 124 pages and includes 6020 nominal species, of which 640 are butterflies, 229 Sphingidae and Sesiidae, 590 the families allied to Lithosiidae and Bombycidae, 1861 Noctuidae, 651 Geometrinae, 634 Pyralidinae, 429 Tortricinae, and 986 Tineinae. It follows the style of Grote's Check list of American moths.